This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1 Claims 1-6. (canceled). 1 7. (currently amended) An iris camera module according to 2 claim 6, comprising: 3 an image pickup optical system for picking up an image of 4 the iris; a target optical system for displaying a target for the 5 6 eye; and 7 a target screen where the target is displayed, wherein 8 the target optical system and the image pickup optical 9 system are integrated into a single unit, and 10 wherein 11 the image pickup optical system includes: an infrared illuminating section for irradiating an 12 13 infrared ray onto the eye, 14 an image pickup section for picking up the image of 15 the iris by detecting the infrared ray reflected 16 on the eye, and 17 an image pickup optical section for guiding the 18 infrared ray reflected on the eye to the image 19 pickup section; and 20 wherein the target optical system includes a target 21 optical section for guiding the image of the target 22 on the target screen to the eye; and further 23 wherein 24 the image pickup section includes: 25 an image pickup element for picking up the image of 26 the iris,

27	a storage for storing a reference iris information,
28	and
29	a comparator section for comparing an information
30	based on the image of the iris picked up by the
31	image pickup section with the reference iris
32	information to output the comparison result as
33	to whether matching is obtained; and
34	wherein the reference iris information can be overwritter
35	only a predetermined number of times in the storage.
1	Claim 8 (canceled).
4	
1	9. (previously presented) An iris camera module
2	comprising:
3	an image pickup optical system for picking up an image of
4	the iris of a user; and
5	a target optical system including a target screen for
6	displaying a target for aligning the eye of the
7	user, wherein the target optical system and the
8	image pickup optical system are integrated onto a
9	common substrate.
1	10. (previously presented) An iris camera module
2	according to claim 9, wherein the image pickup optical system
3	includes:
4	an infrared illuminating section for irradiating an
5	infrared ray onto the eye;
6	an image pickup section for picking up the image of the
7	iris by detecting the infrared ray reflected on the
8	eye; and
9	an image pickup optical section for guiding the infrared
10	ray reflected on the eye to the image pickup
11	section,
12	and further wherein the target optical system includes:

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- a target optical section for guiding the image of the target on the target screen to the eye.
- 1 11. (previously presented) An iris camera module
  2 according to claim 10, wherein the image pickup optical
  3 section and the target optical section include a common half
  4 mirror for reflecting to guide the infrared ray reflected on
  5 the eye to the image pickup section and guiding the image of
  6 the target on the target screen to the eye without reflecting
  7 the image.
- 1 12. (previously presented) An iris camera module
  2 according to claim 10, wherein the image pickup optical
  3 section and the target optical section include a common half
  4 mirror for guiding the infrared ray reflected on the eye to
  5 the image pickup section without reflecting the infrared ray
  6 and reflecting to guide the image of the target on the target
  7 screen to the eye.
- 1 13. (previously presented) An iris camera module 2 according to claim 9, wherein the target optical system 3 includes a screen illuminating section for illuminating the 4 target screen.
- 1 14. (previously presented) An iris camera module
  2 according to claim 10, wherein the image pickup section
  3 further includes:
- 4 an image pickup element for picking up the image of the 5 iris;
- a storage for storing a reference iris information; and
  a comparator section for comparing an information based
  on the image of the iris picked up by the image
  pickup section with the reference iris information

10 to output the comparison result as to whether 11 matching is obtained. 1 15. (previously presented) An iris camera module 2 according to claim 14, wherein the reference iris information 3 can be overwritten only a predetermined number of times in the 4 storage. 1 16. (previously presented) An iris camera module 2 according to claim 10, wherein the image pickup section 3 further includes: 4 an image pickup element for picking up the image of the 5 iris; and a connector section for coupling an external circuit 6 7 detachable from the image pickup section, and wherein the external circuit includes: 8 9 a storage for storing a reference iris information; and 10 a comparator section for comparing an information based 11 on the iris picked up by the image pickup section 12 with the reference iris information to output the 13 comparison result as to whether matching is 14 obtained. 1 17. (previously presented) An iris camera module 2 comprising: 3 an image pickup optical system for picking up an image of 4 the iris of a user; 5 a target optical system for displaying a target for 6 aligning the eye of the user; 7 a storage for storing a reference iris information; and 8 a comparator section for comparing an information based on the image of the iris picked up by the image 9

pickup section with the reference iris information

10

11	to output the comparison result as to whether
12	matching is obtained, wherein
13	the reference iris information can be overwritten only a
14	
14	predetermined number of times in the storage.
1	Claim 18. (canceled).
4	10 (
1	19. (previously presented) An iris camera module
2	comprising:
3	an image pickup optical system for picking up an image of
4	the iris of a user, said image optical system
5	including:
6	an illuminating section for irradiating a ray onto
7	the eye;
8	an image pickup section for picking up the image of
9	the iris by detecting the ray reflected on the
10	eye; and
11	an image pickup optical section for guiding the ray
12	reflected on the eye to the image pickup
13	section;
14	a target optical system for displaying a target for
15	aligning the eye of the user, said target optical
16	system including:
17	a target screen;
18	a target optical section for guiding the image of
19	the target on the target screen to the eye; and
20	a screen illuminating section for illuminating the
21	target screen with either ambient light or
22	artificial light;
23	a storage for storing a reference iris information; and
24	a comparator section for comparing an information based
25	on the image of the iris picked up by the image
26	pickup section with the reference iris information
	promap become with the reference firm information

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- to output the comparison result as to whether
  matching is obtained, wherein
  the reference iris information can be overwritten only a
  predetermined number of times in the storage.
  - 20. (previously presented) An iris camera module
    according to claim 19, wherein the image pickup optical
    section and the target optical section include a common half
    mirror for reflecting to guide the infrared ray reflected on
    the eye to the image pickup section and guiding the image of
    the target on the target screen to the eye without reflecting
    the image.
- 21. (previously presented) An iris camera module
  according to claim 19, wherein the image pickup optical
  section and the target optical section include a common half
  mirror for guiding the infrared ray reflected on the eye to
  the image pickup section without reflecting the infrared ray
  and reflecting to guide the image of the target on the target
  screen to the eye.
- 1 Claims 22-38 (deleted).